

10-201633

AP20 Rec'd PCT/PTO 05 SEP 2006

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 3081.177US01

Karl-Hermann Schmidt et al.

Application No.: Unknown

Filed: *Of Even Date*

For: METHOD FOR ENRICHING AND/OR SEPARATING PROKARYOTIC DNA USING  
A PROTEIN THAT SPECIFICALLY BONDS TO UNMETHYLATED DNA  
CONTAINING CPG-MOTIVES

---

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The listing of a reference herein is not an admission that the reference is prior art or that the reference is material to patentability.

This Information Disclosure Statement is being filed with the application. No certification or fee is required.

16/591633  
AP20 Rec'd PCT/PTO 05 SEP 2006


Attorney Docket No. 3081.177US01

Some of the references were cited in a counterpart foreign application. An English language translation of the international search report (for PCT/EP2005/002198) is attached for the Examiner's information. The search report identifies the relevance of the cited references.

Please note that the following foreign language reference has an English language counterpart, which is presumed to have corresponding subject matter as the foreign language reference and is listed on the attached Form PTO-1449:

Canadian Patent No. 2,498,951 is an English language counterpart to EP 1 400 589 A1.

Respectfully submitted,



Douglas J. Christensen  
Registration No. 35,480

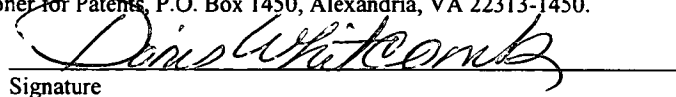
Customer No. 24113  
Patterson, Thuent, Skaar & Christensen, P.A.  
4800 IDS Center  
80 South 8th Street  
Minneapolis, Minnesota 55402-2100  
Telephone: (612) 349-3001

*Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.*

CERTIFICATE OF EXPRESS MAIL

"Express Mail" mailing label number EV804179672US. Date of Deposit: September 5, 2006. I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Doris Whitcomb  
Name of Person Making Deposit

  
Signature

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Unknown
				Filing Date	Of Even Date
				First Named Inventor	Karl-Hermann Schmidt
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	3081.177US01

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
/SC/		EPT 400 589 A1	03/24/2004	Schmidt	
/SC/		CA 2,498,951 A1	04/22/2004	Schmidt abstract only	

EXAMINER SIGNATURE	/Suryaprabha Chunduru/	DATE CONSIDERED	05/21/2010
-----------------------	------------------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Unknown
				Filing Date	10/591633 Of Even Date
				First Named Inventor	Karl Hermann Schmidt
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	3081.177US01

**NON PATENT LITERATURE DOCUMENTS**

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/SC/		S. SACHSE, et al., "Using a DNA-binding protein to enrich prokaryotic DNA from a mixture of both, eukaryotic and prokaryotic DNA," 56, DGHM-JAHRESTAGUNG, XP002332325 (29 September 2004).	
/SC/		CROSS, et al., "Purification of CpG islands using a methylated DNA binding column," <i>Nature Genetics</i> , Vol. 6, No. 3, pp. 236-244 (01 March 1994).	
/SC/		VOO, et al., "Cloning of a Mammalian Transcriptional Activator That Binds Unmethylated CpG Motifs and Shares a CXXC Domain with DNA Methyltransferase, Human Trithorax, and Methyl-CpG Binding Domain Protein 1," <i>Molecular and Cellular Biology</i> , Vol. 20, No. 6, pp. 2108-2121 (March 2000).	
/SC/		NCBI Sequence Database, AAF37799	
/SC/		International Journal of Medical Microbiology, 294S1, p. 181, 56. Jahrestagung der DGHM (26-29 September 2004).	
/SC/		Clinical Microbiology and Infection, 15 <sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Vol. 11, Supplement 2, p. 67 (2-5 April 2005).	

EXAMINER SIGNATURE	/Suryaprabha Chunduru/	DATE CONSIDERED	05/21/2010
-----------------------	------------------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*